

PROBLEM SUMMARY

Sample Rating Trend

SOOT



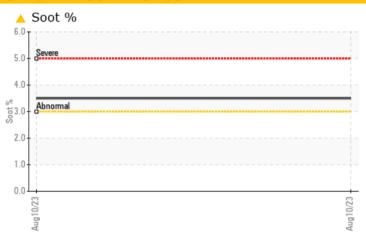
FREIGHTLINER 88

Component

Diesel Engine

PETRO CANADA DURON SHP 15W40 (13 LTR)

COMPONENT CONDITION SUMMARY



RECOMMENDATION

We advise that you check for faulty combustion, plugged air filters, or aftercoolers. Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS

Sample Status				ABNORMAL	
Soot %	%	*ASTM D7844	>3	4 3.5	

Customer Id: ATRPIN
Sample No.: PCA0102640
Lab Number: 05924126
Test Package: FLEET

To manage this report scan the QR code

To discuss the diagnosis or test data:
Don Baldridge +1
don.b505@comcast.net

To change component or sample information:
Customer Service +1 1-800-237-1369
customerservice@wearcheck.com

RECOMMENDED ACTIONS							
Action	Status	Date	Done By	Description			
Change Fluid			?	Oil and filter change at the time of sampling has been noted.			
Change Filter			?	Oil and filter change at the time of sampling has been noted.			
Check Combustion			?	We advise that you check for faulty combustion, plugged air filters, or aftercoolers.			



OIL ANALYSIS REPORT

Sample Rating Trend

SOOT

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FREIGHTLINER 88

Component

Diesel Engine

PETRO CANADA DURON SHP 15W40 (13 LTR)

DIAGNOSIS

Recommendation

We advise that you check for faulty combustion, plugged air filters, or aftercoolers. Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is an abnormal amount of solids and carbon present in the oil.

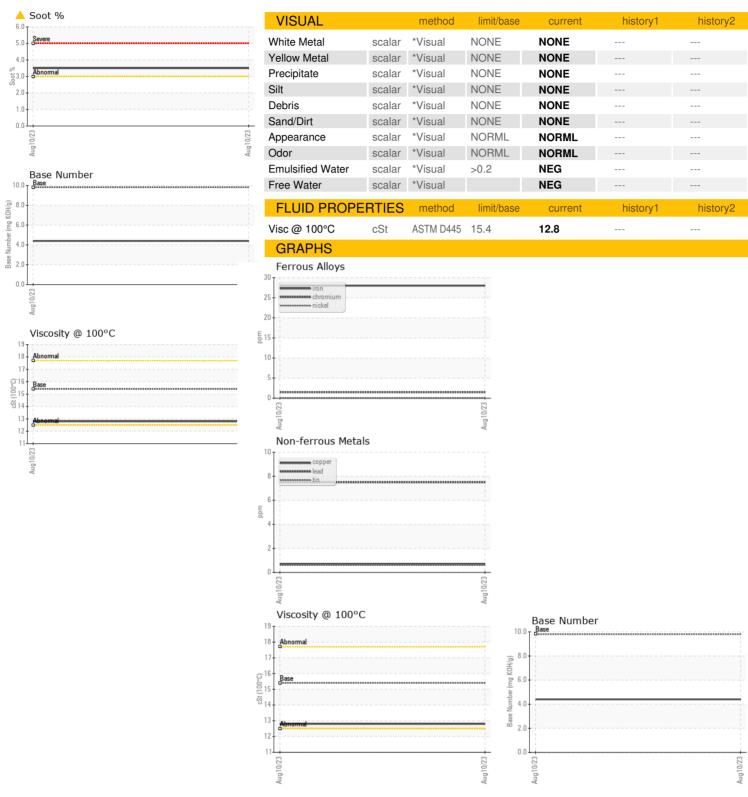
Fluid Condition

The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is acceptable for the time in service.

.TR)						
OAMBLE INCORNA	ATION			Aug2023		
SAMPLE INFORMA	AHON	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0102640		
Sample Date		Client Info		10 Aug 2023		
3-	nls	Client Info		442559		
- 3-	mls	Client Info		24861		
Oil Changed		Client Info		Changed		
Sample Status				ABNORMAL		
CONTAMINATIO	N	method	limit/base	current	history1	history2
Glycol		WC Method		NEG		
WEAR METALS		method	limit/base	current	history1	history2
ron p	opm	ASTM D5185m	>80	28		
	opm	ASTM D5185m		2		
	opm	ASTM D5185m	>2	0		
	opm	ASTM D5185m		0		
	opm	ASTM D5185m	>3	0		
p	opm	ASTM D5185m	>30	<1		
	opm	ASTM D5185m	>30	8		
	opm	ASTM D5185m	>150	<1		
	opm	ASTM D5185m	>5	<1		
,	opm	ASTM D5185m		0		
	opm	ASTM D5185m		0		
-		method	limit/base		la i a ta mud	history.O
ADDITIVES		method	iiiiii/base	current	history1	history2
Boron p	opm	ASTM D5185m	0	2		
	opm	ASTM D5185m		0		
	opm	ASTM D5185m	60	57		
	opm	ASTM D5185m		<1		
	opm	ASTM D5185m	1010	897		
	opm	ASTM D5185m	1070	1087		
	opm	ASTM D5185m	1150	946		
	opm	ASTM D5185m	1270	1144		
Sulfur p	opm	ASTM D5185m	2060	3302		
CONTAMINANTS	S	method	limit/base	current	history1	history2
Silicon p	opm	ASTM D5185m	>20	4		
Sodium p	opm	ASTM D5185m		2		
Potassium p	opm	ASTM D5185m	>20	2		
Fuel 9	%	ASTM D3524	>5	<1.0		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	3.5		
	Abs/cm	*ASTM D7624	>20	10.6		
	Abs/.1mm	*ASTM D7415	>30	27.2		
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
Oxidation A	Abs/.1mm	*ASTM D7414	>25	20.0		
	ng KOH/g	ASTM D2896		4.4		
Dado Hamber (DIA)	ng nong	7.0 TWI D2000	0.0	7.7		



OIL ANALYSIS REPORT







Laboratory Sample No. Lab Number Unique Number

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : PCA0102640 : 05924126

Received Diagnosed : 10604073 Diagnostician : Don Baldridge

: 14 Aug 2023

: 15 Aug 2023

Test Package : FLEET (Additional Tests: FuelDilution) To discuss this sample report, contact Customer Service at 1-800-237-1369.

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

A Truck Repair

9349 China Grove Church Road Pineville, NC US 28134

Contact: Vlad Melnichuk shop@migway.com T: (980)255-3200

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)